

VALUE ENGINEERING CHANGE PROPOSAL
MISSOURI DEPARTMENT OF TRANSPORTATION

Date 04/08/09

Contract ID 081219-201

Job No. J2P0776

County Saline

Route 65

Original Bid Cost \$ 6,032,745.79

Contractor APAC-Missouri, Inc.

By Casey Castrop

Designed By MoDOT

Phone 573-449-0886

VECP # 09-27

VECP ☐ or VECPPDU ☒

1. Description of existing requirements and proposed change(s). Advantages/Disadvantages

APAC proposes to substitute 3.75" of BP-1 versus 2" SP190 and 1.75" SP125 in the gore point area between log mile 122.785 and log mile 122.861. The plans call for the gore area to paved with superpave while the gore point area is striped to channelize traffic into the 12' driving lanes both northbound and southbound. This area would not need the higher grade mix due to the lack of traffic traveling on the area.

2. Estimate of reduction in construction costs. \$1,332.57

3. Prediction of any effects the proposed change(s) will have on other department costs, such as maintenance and operations.

None anticipated

4. Anticipated date for submittal of detailed change(s) of items required by Section 104.6 of the Specifications.

(date)

5. Deadline for issuing a change order to obtain maximum cost reduction, noting the effect of contract completion time or delivery schedule.

April 10, 2009

(date)

(effect)

6. Dates of any previous or concurrent submission of the same proposal.

(date and/or dates)

Additional Comments:

**** Portion Below This Line To Be Filled Out by MoDOT ****

Comments:

This has been discussed with Area Engineer Mike McGrath and Maintenance Superintendent Junior McCoy. We are all in agreement that this will be an acceptable substitution, and will limit the future maintenance needs of this area.

Kurt W. Wengert

4-13-2009

Submitted By Resident Engineer

Date

Comments:

The proposed use of a lower type mix in the gore area was found to be appropriate. We also looked into complete elimination of the mix in this gore area to increase the savings even further. Field elevation shots taken proved that not bringing the gore area up to the grade of the adjacent overlay would result in ponding of water. We recommend approval of the original proposal to only change the mix type and not eliminate the asphalt.

☒ Approval
Recommended

☐ Rejection
Recommended



District Engineer

4/13/2009

Date

Comments:

☒ Approval

☐ Rejection

 

State Construction and Materials Engineer

5/13/09

5-13-09

Date

Distribution: Resident Engineer, Project Manager, District Operations Engineer, State Construction and Materials Engineer
*Value Engineering Administrator - *MoDOT, P.O. Box 270, Jefferson City, MO 65102

Rt. 65 Saline
J2P0776
ID# 081219-201

VE #1 - Eliminate paving 2" SP190 and 1.75" SP125. Replacing same quantities with BP-1 mix.
Between Log Mile 122.785 to 122.861

Original
2" SP190C
1.75" SP125C

67 Tons @ \$59.73
58 Tons @ \$62.77

(+) \$4,001.91
(+) \$3,640.66

Substitution
3.75" BP-1 Mix

125 Tons @ \$50.48

Total	\$7,642.57
Subtract	(-) \$6,310.00
Total Savings	<u>\$1,332.57</u>

MoDOT - 50%

\$666.29

APAC - 50%

\$666.29

VALUE ENGINEERING CHECK SHEET

TYPE OF WORK

(Check one that applies)

- ☐ Bridge/Structure/Footings
- ☐ Drainage Structures (RCP, RCB, CMP's, ect.)
- ☐ TCP/MOT
- ☒ Paving (PCCP, ect.)
- ☐ Grading/MSE Walls
- ☐ Signal/Lighting/ITS
- ☐ Misc. _____

SUMMARY OF PROPOSAL

(If needed, condense summary to a couple of lines)

THIS IS A PRACTICAL DESIGN VE PROPOSAL TO SWITCH
FROM A HIGHER GRADE HMA (SUPERPAVE) TO A LOWER
GRADE HMA (BIT PAVEMENT) IN A NON-TRAVEL WAY.

SCANNING OF DOCUMENT

If the proposal is large, please mark or make note, which pages need to be scanned into the database. If there are special instructions, make note of them here.

JPD